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a single silicon-steel plate having a plurality of tooth portions formed on two opposing sides of a longitudinally extended main body portion in staggered relationship, said main body portion of said silicon-steel plate being formed into a cylinder with said plurality of tooth portions extending radially therefrom;

an insulating layer covering at least one surface portion of said silicon-steel plate; and,

a winding formed by a predetermined number of turns of an electrically conductive wire, said winding being wound on said insulating layer.

5. A stator structure for a motor produced according to the process comprising the steps of:

- a. forming a main body portion having a rectangular contour with a plurality of tooth portions formed on two opposing longitudinally extended sides thereof from a single silicone-steel plate, said plurality of tooth portions being arranged in staggered relationship;
- b. bending said plurality of tooth portions to extend orthogonally from one surface of said main body;
- c. rolling said main body into a cylindrical shape with said plurality of tooth portions extending radially therefrom;

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- d. covering at least one surface of said main body and at least one surface of at least a portion of said plurality of tooth portions with an insulating layer; and,
- e. winding a predetermined number of turns of an electrically conductive wire around said main body.